

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032319\
 Data File : VD061275.D
 Acq On : 23 Mar 2019 12:11
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Mar 23 12:34:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 02:35:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.07	168	675364	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.23	114	1130156	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.38	117	913599	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	402224	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.48	65	251454	44.73	ug/l	0.03
Spiked Amount			Recovery	=	89.46%	
35) Dibromofluoromethane	6.94	113	414555	49.43	ug/l	0.02
Spiked Amount			Recovery	=	98.86%	
50) Toluene-d8	10.43	98	925388	43.94	ug/l	0.03
Spiked Amount			Recovery	=	87.88%	
62) 4-Bromofluorobenzene	13.56	95	356601	43.63	ug/l	0.01
Spiked Amount			Recovery	=	87.26%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.59	85	304635	45.537	ug/l	98
3) Chloromethane	1.77	50	244659	43.901	ug/l	97
4) Vinyl Chloride	1.87	62	233758	45.394	ug/l	99
5) Bromomethane	2.17	94	46196	50.716	ug/l #	89
6) Chloroethane	2.28	64	78926	51.206	ug/l #	87
7) Trichlorofluoromethane	2.54	101	381444	51.564	ug/l	100
8) Diethyl Ether	2.89	74	128713	52.743	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.17	101	417547	50.486	ug/l	95
10) Methyl Iodide	3.33	142	599271	52.462	ug/l	99
11) Tert butyl alcohol	4.08	59	96160	268.691	ug/l	100
12) 1,1-Dichloroethene	3.14	96	323314	47.692	ug/l	98
13) Acrolein	3.06	56	96428	186.217	ug/l	99
14) Allyl chloride	3.65	41	565499	52.135	ug/l	96
15) Acrylonitrile	4.22	53	352042	278.322	ug/l	95
16) Acetone	3.24	43	454399	282.665	ug/l	99
17) Carbon Disulfide	3.40	76	1028381	44.969	ug/l	100
18) Methyl Acetate	3.66	43	202276	63.938	ug/l #	90
19) Methyl tert-butyl Ether	4.26	73	637182	53.631	ug/l	96
20) Methylene Chloride	3.84	84	406020	55.948	ug/l	92
21) trans-1,2-Dichloroethene	4.24	96	369011	50.290	ug/l	97
22) Diisopropyl ether	5.14	45	1141993	50.717	ug/l	97
23) Vinyl Acetate	5.08	43	2955012	255.647	ug/l	98
24) 1,1-Dichloroethane	5.02	63	663619	53.791	ug/l	99
25) 2-Butanone	6.09	43	483593	265.109	ug/l	99
26) 2,2-Dichloropropane	6.05	77	538545	55.918	ug/l	99
27) cis-1,2-Dichloroethene	6.06	96	422444	54.263	ug/l	99
28) Bromochloromethane	6.46	49	235989	45.184	ug/l	90
29) Tetrahydrofuran	6.48	42	229953	232.158	ug/l	94
30) Chloroform	6.68	83	654397	51.179	ug/l	96
31) Cyclohexane	6.97	56	538747	54.158	ug/l	96
32) 1,1,1-Trichloroethane	6.90	97	607939	54.995	ug/l	97
36) 1,1-Dichloropropene	7.17	75	485255	49.812	ug/l	99
37) Ethyl Acetate	6.21	43	213004	46.594	ug/l	98
38) Carbon Tetrachloride	7.13	117	604154	56.301	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	513258	50.810	ug/l	99
40) Benzene	7.48	78	1242301	51.035	ug/l	100
41) Methacrylonitrile	6.46	41	258820	49.222	ug/l	97
42) 1,2-Dichloroethane	7.60	62	371744	52.625	ug/l	98
43) Isopropyl Acetate	9.26	43	310261	49.002	ug/l	95
44) Trichloroethene	8.56	130	457615	54.492	ug/l	97
45) 1,2-Dichloropropane	8.95	63	338062	52.861	ug/l	99
46) Dibromomethane	9.08	93	216037	53.255	ug/l	96
47) Bromodichloromethane	9.40	83	509227	55.627	ug/l	100
48) Methyl methacrylate	9.14	41	195061	54.717	ug/l	100
49) 1,4-Dioxane	9.09	88	39418	1093.483	ug/l	97
51) 4-Methyl-2-Pentanone	10.32	43	1009352	260.213	ug/l	96
52) Toluene	10.53	92	772256	51.018	ug/l	97
53) t-1,3-Dichloropropene	10.93	75	475957	56.861	ug/l	99
54) cis-1,3-Dichloropropene	10.06	75	561674	55.847	ug/l	98
55) 1,1,2-Trichloroethane	11.21	97	281948	55.932	ug/l	98
56) Ethyl methacrylate	11.06	69	271803	51.513	ug/l	99
57) 1,3-Dichloropropane	11.42	76	371666	49.338	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.87	63	670867	240.203	ug/l	100
59) 2-Hexanone	11.54	43	739086	260.478	ug/l	97
60) Dibromochloromethane	11.70	129	418129	56.361	ug/l	99
61) 1,2-Dibromoethane	11.82	107	310266	52.910	ug/l	96
64) Tetrachloroethene	11.28	164	339770	55.093	ug/l	96
65) Chlorobenzene	12.41	112	994580	55.531	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.53	131	383988	60.146	ug/l	99
67) Ethyl Benzene	12.54	91	1480864	55.538	ug/l	100
68) m/p-Xylenes	12.68	106	994700	95.046	ug/l	94
69) o-Xylene	13.06	106	549722	53.437	ug/l	96
70) Styrene	13.08	104	873075	51.975	ug/l	98
71) Bromoform	13.25	173	243041	59.012	ug/l	98
73) Isopropylbenzene	13.41	105	1459421	50.347	ug/l	98
74) N-amyl acetate	13.27	43	389553	47.727	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.71	83	308880	54.615	ug/l	98
76) 1,2,3-Trichloropropane	13.74	75	314971	54.430	ug/l	95
77) Bromobenzene	13.68	156	420139	56.778	ug/l	94
78) n-propylbenzene	13.79	91	1764405	51.993	ug/l	95
79) 2-Chlorotoluene	13.85	91	998554	53.448	ug/l	98
80) 1,3,5-Trimethylbenzene	14.25	105	1061652	48.243	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.48	75	94743	55.534	ug/l	98
82) 4-Chlorotoluene	13.95	91	1111463	50.323	ug/l	98
83) tert-Butylbenzene	14.20	119	1374399	57.069	ug/l	98
84) 1,2,4-Trimethylbenzene	14.25	105	1061652	48.243	ug/l	97
85) sec-Butylbenzene	14.38	105	1576940	53.636	ug/l	100
86) p-Isopropyltoluene	14.50	119	1246926	51.885	ug/l	99
87) 1,3-Dichlorobenzene	14.47	146	701355	53.080	ug/l	99
88) 1,4-Dichlorobenzene	14.54	146	717261	55.240	ug/l	99
89) n-Butylbenzene	14.81	91	1064872	46.141	ug/l	96
90) Hexachloroethane	15.02	117	383435	56.503	ug/l	92
91) 1,2-Dichlorobenzene	14.82	146	551694	50.084	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	15.39	75	39935	58.596	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	277016	54.211	ug/l	99
94) Hexachlorobutadiene	16.05	225	233433	60.395	ug/l	98
95) Naphthalene	16.13	128	422996	54.473	ug/l	100
96) 1,2,3-Trichlorobenzene	16.28	180	138585	54.911	ug/l	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

